



1600

Does Not Comply  
Corrected Diskette Needed

DATE: 11/01/2002  
TIME: 12:37:08

Error on p. 2;  
with corrected  
errors after p. 7.

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/281,760D

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\11012002\I281760D.raw

```

4 <110> APPLICANT: Lawton, Robert
5      Mermer, Brion
6      Francoeur, Greg
9 <120> TITLE OF INVENTION: Specific Binding Protein for Treating
10     Canine Allergy
12 <130> FILE REFERENCE: 01-1275A
14 <140> CURRENT APPLICATION NUMBER: 09/281,760D
15 <141> CURRENT FILING DATE: 1999-03-30
17 <150> PRIOR APPLICATION NUMBER: 09/058,331
18 <151> PRIOR FILING DATE: 1998-04-09
20 <160> NUMBER OF SEQ ID NOS: 39
22 <170> SOFTWARE: FastSEQ for Windows Version 3.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 5
26 <212> TYPE: PRT
27 <213> ORGANISM: Canis familiaris
29 <220> FEATURE:
30 <221> NAME/KEY: PEPTIDE
31 <222> LOCATION: (2)...(3)
32 <223> OTHER INFORMATION: Xaa = any amino acid
34 <400> SEQUENCE: 1
W--> 35  Leu Xaa Xaa Tyr Arg
36      1          5
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 5
40 <212> TYPE: PRT
41 <213> ORGANISM: Canis familiaris
43 <220> FEATURE:
44 <221> NAME/KEY: PEPTIDE
45 <222> LOCATION: (3)...(4)
46 <223> OTHER INFORMATION: Xaa = Any amino acid
48 <400> SEQUENCE: 2
W--> 49  Tyr Arg Xaa Xaa Leu
50      1          5
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 8
54 <212> TYPE: PRT
55 <213> ORGANISM: Canis familiaris
57 <220> FEATURE:
58 <221> NAME/KEY: PEPTIDE
59 <222> LOCATION: (2)...(3)
60 <223> OTHER INFORMATION: Xaa = Any amino acid
62 <221> NAME/KEY: PEPTIDE

```

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DATE: 11/01/2002

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63 <222> LOCATION: (5)...(6) — Xaa found at positions 6 + 7!

64 <223> OTHER INFORMATION: Xaa = Any amino acid

W--> 66 <400> 3

W--> 67 Leu Xaa Xaa Tyr Arg Xaa Xaa Leu

68 1 5

70 <210> SEQ ID NO: 4

71 <211> LENGTH: 7

72 <212> TYPE: PRT

73 <213> ORGANISM: Canis familiaris

75 <400> SEQUENCE: 4

76 Thr Leu Leu Glu Tyr Arg Met

77 1 5

79 <210> SEQ ID NO: 5

80 <211> LENGTH: 11

81 <212> TYPE: PRT

82 <213> ORGANISM: Canis familiaris

84 <400> SEQUENCE: 5

85 Gly Met Asn Leu Thr Trp Tyr Arg Glu Ser Lys

86 1 5 10

88 <210> SEQ ID NO: 6

89 <211> LENGTH: 9

90 <212> TYPE: PRT

91 <213> ORGANISM: Canis familiaris

93 <220> FEATURE:

94 <221> NAME/KEY: PEPTIDE

95 <222> LOCATION: (2)...(3)

96 <223> OTHER INFORMATION: Xaa = Any amino acid

98 <221> NAME/KEY: PEPTIDE

99 <222> LOCATION: (6)...(8)

100 <223> OTHER INFORMATION: Xaa = Any amino acid

W--> 102 <400> 6

W--> 103 Cys Xaa Xaa Pro His Xaa Xaa Xaa Cys

104 1 5

106 <210> SEQ ID NO: 7

107 <211> LENGTH: 16

108 <212> TYPE: PRT

109 <213> ORGANISM: Canis familiaris

111 <400> SEQUENCE: 7

112 Ser Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys Gly Gly Gly

113 1 5 10 15

115 <210> SEQ ID NO: 8

116 <211> LENGTH: 14

117 <212> TYPE: PRT

118 <213> ORGANISM: Canis familiaris

120 <400> SEQUENCE: 8

121 Ser Ala Cys Pro Asn Pro His Asn Pro Tyr Cys Gly Gly Gly

122 1 5 10

124 <210> SEQ ID NO: 9

125 <211> LENGTH: 9

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/281,760D

DATE: 11/01/2002

TIME: 12:37:08

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\11012002\I281760D.raw

```

126 <212> TYPE: PRT
127 <213> ORGANISM: Canis familiaris
129 <220> FEATURE:
130 <221> NAME/KEY: PEPTIDE
131 <222> LOCATION: (2)...(2)
132 <223> OTHER INFORMATION: Xaa = Any amino acid
134 <221> NAME/KEY: PEPTIDE
135 <222> LOCATION: (5)...(5)
136 <223> OTHER INFORMATION: Xaa = Any amino acid
W--> 138 <221> PEPTIDE
139 <222> LOCATION: (7)...(8)
140 <223> OTHER INFORMATION: Xaa = Any amino acid
W--> 142 <400> 9
W--> 143 Cys Xaa Pro His Xaa Pro Xaa Xaa Cys
144 1 5
146 <210> SEQ ID NO: 10
147 <211> LENGTH: 14
148 <212> TYPE: PRT
149 <213> ORGANISM: Canis familiaris
151 <400> SEQUENCE: 10
152 Ser Ala Cys His Pro His Leu Pro Lys Ser Cys Gly Gly Gly
153 1 5 10
155 <210> SEQ ID NO: 11
156 <211> LENGTH: 12
157 <212> TYPE: PRT
158 <213> ORGANISM: Canis familiaris
160 <400> SEQUENCE: 11
161 Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys
162 1 5 10
164 <210> SEQ ID NO: 12
165 <211> LENGTH: 17
166 <212> TYPE: PRT
167 <213> ORGANISM: Canis familiaris
169 <400> SEQUENCE: 12
170 Ser Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys Gly Gly Gly
171 1 5 10 15
172 Lys
175 <210> SEQ ID NO: 13
176 <211> LENGTH: 7
177 <212> TYPE: PRT
178 <213> ORGANISM: Homo sapiens
180 <400> SEQUENCE: 13
181 Val Asn Leu Thr Trp Ser Arg
182 1 5
184 <210> SEQ ID NO: 14
185 <211> LENGTH: 11
186 <212> TYPE: PRT
187 <213> ORGANISM: Felis catus
189 <400> SEQUENCE: 14

```

## RAW SEQUENCE LISTING

DATE: 11/01/2002

PATENT APPLICATION: US/09/281,760D

TIME: 12:37:08

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\11012002\I281760D.raw

190 Gly Met Thr Leu Thr Trp Ser Arg Glu Asn Gly

191 1 5 10

193 &lt;210&gt; SEQ ID NO: 15

194 &lt;211&gt; LENGTH: 11

195 &lt;212&gt; TYPE: PRT

196 &lt;213&gt; ORGANISM: Canis familiaris

198 &lt;400&gt; SEQUENCE: 15

199 Gly Met Asn Leu Thr Trp Ser Arg Glu Ser Lys

200 1 5 10

202 &lt;210&gt; SEQ ID NO: 16

203 &lt;211&gt; LENGTH: 9

204 &lt;212&gt; TYPE: PRT

205 &lt;213&gt; ORGANISM: Canis familiaris

207 &lt;400&gt; SEQUENCE: 16

208 Cys Pro Asn Pro His Ile Pro Met Cys

209 1 5

211 &lt;210&gt; SEQ ID NO: 17

212 &lt;211&gt; LENGTH: 9

213 &lt;212&gt; TYPE: PRT

214 &lt;213&gt; ORGANISM: Canis familiaris

216 &lt;400&gt; SEQUENCE: 17

217 Cys Pro Asn Pro His Asn Pro Tyr Cys

218 1 5

220 &lt;210&gt; SEQ ID NO: 18

221 &lt;211&gt; LENGTH: 9

222 &lt;212&gt; TYPE: PRT

223 &lt;213&gt; ORGANISM: Canis familiaris

225 &lt;400&gt; SEQUENCE: 18

226 Cys His Pro His Leu Pro Lys Ser Cys

227 1 5

229 &lt;210&gt; SEQ ID NO: 19

230 &lt;211&gt; LENGTH: 9

231 &lt;212&gt; TYPE: PRT

232 &lt;213&gt; ORGANISM: Canis familiaris

234 &lt;400&gt; SEQUENCE: 19

235 Cys Ser Asn Pro His Val Thr His Cys

236 1 5

238 &lt;210&gt; SEQ ID NO: 20

239 &lt;211&gt; LENGTH: 9

240 &lt;212&gt; TYPE: PRT

241 &lt;213&gt; ORGANISM: Canis familiaris

243 &lt;400&gt; SEQUENCE: 20

244 Cys Ser His Pro His Leu Thr His Cys

245 1 5

247 &lt;210&gt; SEQ ID NO: 21

248 &lt;211&gt; LENGTH: 9

249 &lt;212&gt; TYPE: PRT

250 &lt;213&gt; ORGANISM: Canis familiaris

252 &lt;400&gt; SEQUENCE: 21

## RAW SEQUENCE LISTING

DATE: 11/01/2002

PATENT APPLICATION: US/09/281,760D

TIME: 12:37:09

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\11012002\I281760D.raw

```

253 Cys Ser Asn Pro His Ile Thr Gln Cys
254 1 5
256 <210> SEQ ID NO: 22
257 <211> LENGTH: 9
258 <212> TYPE: PRT
259 <213> ORGANISM: Canis familiaris
261 <400> SEQUENCE: 22
262 Cys Met Asn Pro His Ile Thr His Cys
263 1 5
265 <210> SEQ ID NO: 23
266 <211> LENGTH: 9
267 <212> TYPE: PRT
268 <213> ORGANISM: Canis familiaris
270 <400> SEQUENCE: 23
271 Cys Thr Asn Pro His Asn Pro Tyr Cys
272 1 5
274 <210> SEQ ID NO: 24
275 <211> LENGTH: 9
276 <212> TYPE: PRT
277 <213> ORGANISM: Canis familiaris
279 <400> SEQUENCE: 24
280 Cys Pro Asn Pro His Asn Pro Tyr Cys
281 1 5
283 <210> SEQ ID NO: 25
284 <211> LENGTH: 9
285 <212> TYPE: PRT
286 <213> ORGANISM: Canis familiaris
288 <400> SEQUENCE: 25
289 Cys His Pro His Leu Pro Lys Arg Cys
290 1 5
292 <210> SEQ ID NO: 26
293 <211> LENGTH: 17
294 <212> TYPE: PRT
295 <213> ORGANISM: Canis familiaris
297 <400> SEQUENCE: 26
298 Tyr Cys Arg Val Thr His Pro His Leu Pro Lys Asp Ile Val Arg Ser
299 1 5 10 15
300 Ile
303 <210> SEQ ID NO: 27
304 <211> LENGTH: 17
305 <212> TYPE: PRT
306 <213> ORGANISM: Homo sapiens
308 <400> SEQUENCE: 27
309 Gln Cys Arg Val Thr His Pro His Leu Pro Arg Ala Leu Met Arg Ser
310 1 5 10 15
311 Thr
314 <210> SEQ ID NO: 28
315 <211> LENGTH: 17
316 <212> TYPE: PRT

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/281,760D

DATE: 11/01/2002  
TIME: 12:37:10

Input Set : A:\PTO.DC.txt  
Output Set: N:\CRF4\11012002\I281760D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3  
Seq#:2; Xaa Pos. 3,4  
Seq#:3; Xaa Pos. 2,3,6,7  
Seq#:6; Xaa Pos. 2,3,6,7,8  
Seq#:9; Xaa Pos. 2,5,7,8  
Seq#:33; N Pos. 136,413,414,451,460,461,462,500,530,568,847,848,849,853  
Seq#:33; N Pos. 1382,1832  
Seq#:33; Xaa Pos. 83,175,176  
Seq#:34; Xaa Pos. 83  
Seq#:35; Xaa Pos. 81,82

## VERIFICATION SUMMARY

DATE: 11/01/2002

PATENT APPLICATION: US/09/281,760D

TIME: 12:37:10

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\11012002\I281760D.raw

L:35 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:66 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:102 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6  
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:138 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:142 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:449 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33,Line#:440  
L:455 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33,Line#:446  
L:461 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33,Line#:452  
L:461 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33,Line#:458  
L:466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:120  
L:486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:367  
L:487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:415  
L:490 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:415  
L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:468  
L:496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:528  
L:518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:832  
L:519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:880  
L:562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:1374  
L:594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:1772  
L:689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:80  
L:788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:80